

## Abstract

A detector for a base station of a radio-operated  
5 telecommunication system is described. In the  
telecommunication system, a mobile unit can generate and  
transmit a signal which is provided as an access request  
by the mobile unit to the base station. In addition, in  
the telecommunication system, the signal can be received  
10 by the base station and the application request  
recognized. The signal received by the base station is  
based on a Hadamard transform. In addition, the detector  
is suitable for application of the Hadamard transform.

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